

SECRET

OKC - 1258
Copy 6 of 6

25 January 1961

MEMORANDUM FOR : Chief, Development Branch, DPD-DD/P
SUBJECT : Storage and Handling - PWA 523 Fuel
REFERENCE : (a) OKC-0824, dated 19 August 1960 titled
"Storage and Handling - PWA 523 Fuel for
JT11D-20A Engine"

1. As outlined in reference (a) memo, thermal stability of subject fuel is adversely affected by any contact with copper and/or silver. Recent tests indicate that a contamination level of .05 to .10 part copper in one million parts fuel definitely deteriorates thermal stability.
2. Current refinery procedure calls for flushing each railroad tank car with PWA 523 fuel prior to shipment. This is to eliminate any residual fuel, water, rust, scale, suspended iron particles, or fungus, as well as copper and silver.
3. Current Pratt & Whitney practice is to flush storage tanks and tank farm plumbing with PWA 523 fuel approximately every nine months for the above reasons.
4. It is recommended that the procedures outlined in paragraphs 2 and 3 be followed in the handling of Project PWA 523 fuel.

25X1A9A

SIGNED

Development Branch
DPD-DD/P

Distribution:

1-C/DE/DPD
2-C/TAS/DPD
3-C/HE/DPD
4-5-DPD/DE
6-DPD/RI

DPD/DE/RCD:shw

20
2012
8/10/82

SECRET